

Technical specifications and functions

Visible components of the engine cutaway model:

- Engine block
- Engine head
- Crankshaft
- Connecting rod
- DOHC dual overhead camshaft (camshafts, valves, water pump and etc.)
- Pistons with rings
- Timing chain with camshaft sprocket and tensioners
- Alternator belt with tensioner
- Air conditioning compressor
- High pressure CR pump

Cut away engine model is designed to demonstrate:

- Piston, rings, combustion chamber, intake and exhaust ports, DOHC components, injector and glow plug holes in a combustion chamber;
- Operation of the DOHC mechanism by turning the crankshaft*;

***Training cut away engine model is not suitable for intensive rotation. All rotating parts must be oiled before the rotation.**

Timing chain and alternator belt replacement:

Educational cutaway engine model contains all elements of the original car: timing chain, tensioners, alternator belt, crankshaft sprocket and etc. Using instructions and recommendations it is possible to demonstrate belt replacement procedures. Torque moments of the elements can be performed by using special tools.

Other

- Minimal space for training and storage
- Minimal weight in order to avoid additional transportation or mounting stands. Demonstrations can be performed using workbench or tool trolley
- Cross-section of the training engine is protected with safety plastic protection
- Training engine model is equipped with fasteners
- Dimensions (height x length x width) 600 x 500 x 300 mm
- Weight (netto) approx.: 75 Kg
- Made in EU